

**AMENDMENTS TO THE CLAIMS**

1-23. (canceled)

24. (previously presented) An isolated nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of:

(a) a transcript or cDNA sequence that encodes a polypeptide having an amino acid sequence comprising SEQ ID NO:2;

(b) SEQ ID NO:1;

(c) nucleotides 109-5103 of SEQ ID NO:1; and

(d) a nucleotide sequence that is completely complementary to the nucleotide sequence of (a), (b), or (c).

25-26. (canceled)

27. (previously presented) An isolated nucleic acid molecule having a nucleotide sequence comprising SEQ ID NO:1 or the complement thereof.

28. (previously presented) An isolated nucleic acid molecule having a nucleotide sequence comprising nucleotides 109-5103 of SEQ ID NO:1 or the complement thereof.

29. (previously presented) An isolated transcript or cDNA nucleic acid molecule comprising a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2, or the complement of said nucleotide sequence.

30. (previously presented) The isolated nucleic acid molecule of claim 24, further comprising a heterologous nucleotide sequence.

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31. (previously presented) The isolated nucleic acid molecule of claim 30, wherein the heterologous nucleotide sequence encodes a heterologous amino acid sequence.

32-35. (canceled)

36. (previously presented) An isolated nucleic acid molecule consisting of a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 68 of SEQ ID NO:2 is valine, or the complement of said nucleotide sequence.

37. (previously presented) An isolated transcript or cDNA nucleic acid molecule comprising a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 68 of SEQ ID NO:2 is valine, or the complement of said nucleotide sequence.

38. (previously presented) An isolated nucleic acid molecule consisting of a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 68 of SEQ ID NO:2 is alanine, or the complement of said nucleotide sequence.

39. (previously presented) An isolated transcript or cDNA nucleic acid molecule comprising a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 68 of SEQ ID NO:2 is alanine, or the complement of said nucleotide sequence.

40. (previously presented) An isolated nucleic acid molecule consisting of a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 545 of SEQ ID NO:2 is serine, or the complement of said nucleotide sequence.

41. (previously presented) An isolated transcript or cDNA nucleic acid molecule comprising a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 545 of SEQ ID NO:2 is serine, or the complement of said nucleotide sequence.

42. (previously presented) An isolated nucleic acid molecule consisting of a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 869 of SEQ ID NO:2 is alanine, or the complement of said nucleotide sequence.
43. (previously presented) An isolated transcript or cDNA nucleic acid molecule comprising a nucleotide sequence that encodes a polypeptide comprising SEQ ID NO:2 in which residue 869 of SEQ ID NO:2 is alanine, or the complement of said nucleotide sequence.
44. (currently amended) A vector comprising the nucleic acid molecule of any one of claims 24, 27-31, and 36-43 ~~34-43~~.
45. (previously presented) An isolated host cell containing the vector of claim 44.
46. (previously presented) A process for producing a polypeptide comprising culturing the host cell of claim 37 under conditions sufficient for the production of said polypeptide, and recovering said polypeptide.
47. (previously presented) The vector of claim 44, wherein said vector is selected from the group consisting of a plasmid, a virus, and a bacteriophage.
48. (currently amended) The vector of claim 44, wherein said nucleic acid molecule is inserted into said vector in proper orientation and correct reading frame such that a polypeptide having at least 99% sequence identity to SEQ ID NO:2 is expressed by a cell transformed with said vector, wherein said polypeptide is selected from the group consisting of: [(.)]
- (a) a polypeptide having an amino acid sequence comprising SEQ ID NO:2;

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(b) a polypeptide having an amino acid sequence comprising SEQ ID NO:2 in which residue 68 of SEQ ID NO:2 is valine;

(c) a polypeptide having an amino acid sequence comprising SEQ ID NO:2 in which residue 68 of SEQ ID NO:2 is alanine;

(d) a polypeptide having an amino acid sequence comprising SEQ ID NO:2 in which residue 545 of SEQ ID NO:2 is serine; and

(e) a polypeptide having an amino acid sequence comprising SEQ ID NO:2 in which residue 869 of SEQ ID NO:2 is alanine.

49. (previously presented) The vector of claim 48, wherein said isolated nucleic acid molecule is operatively linked to a promoter sequence.